

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTAU124PXN

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	JUL 28	CA/Caplus patent coverage enhanced
NEWS	3	JUL 28	EPFULL enhanced with additional legal status information from the epoline Register
NEWS	4	JUL 28	IFICDB, IFIPAT, and IFIUDB reloaded with enhancements
NEWS	5	JUL 28	STN Viewer performance improved
NEWS	6	AUG 01	INPADOCDB and INPAFAMDB coverage enhanced
NEWS	7	AUG 13	CA/Caplus enhanced with printed Chemical Abstracts page images from 1967-1998
NEWS	8	AUG 15	CAOLD to be discontinued on December 31, 2008
NEWS	9	AUG 15	Caplus currency for Korean patents enhanced
NEWS	10	AUG 27	CAS definition of basic patents expanded to ensure comprehensive access to substance and sequence information
NEWS	11	SEP 18	Support for STN Express, Versions 6.01 and earlier, to be discontinued
NEWS	12	SEP 25	CA/Caplus current-awareness alert options enhanced to accommodate supplemental CAS indexing of exemplified prophetic substances
NEWS	13	SEP 26	WPIDS, WPINDEX, and WPIX coverage of Chinese and Korean patents enhanced
NEWS	14	SEP 29	IFICLS enhanced with new super search field
NEWS	15	SEP 29	EMBASE and EMBAL enhanced with new search and display fields
NEWS	16	SEP 30	CAS patent coverage enhanced to include exemplified prophetic substances identified in new Japanese-language patents
NEWS	17	OCT 07	EPFULL enhanced with full implementation of EPC2000
NEWS	18	OCT 07	Multiple databases enhanced for more flexible patent number searching
NEWS	19	OCT 22	Current-awareness alert (SDI) setup and editing enhanced
NEWS	20	OCT 22	WPIDS, WPINDEX, and WPIX enhanced with Canadian PCT Applications
NEWS	21	OCT 24	CHEMLIST enhanced with intermediate list of pre-registered REACH substances
NEWS EXPRESS	JUNE 27 08	CURRENT WINDOWS VERSION IS V8.3,	
		AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.	
NEWS HOURS	STN Operating Hours Plus Help Desk Availability		
NEWS LOGIN	Welcome Banner and News Items		
NEWS IPC8	For general information regarding STN implementation of IPC 8		

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

\*\*\*\*\* STN Columbus \*\*\*\*\*

FILE 'HOME' ENTERED AT 11:50:13 ON 27 OCT 2008

```
=> fil reg
COST IN U.S. DOLLARS          SINCE FILE      TOTAL
                               ENTRY      SESSION
FULL ESTIMATED COST          0.21      0.21
```

FILE 'REGISTRY' ENTERED AT 11:50:23 ON 27 OCT 2008  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2008 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 24 OCT 2008 HIGHEST RN 1065816-63-8  
DICTIONARY FILE UPDATES: 24 OCT 2008 HIGHEST RN 1065816-63-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

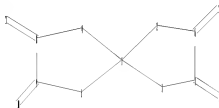
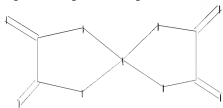
TSCA INFORMATION NOW CURRENT THROUGH July 5, 2008.

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

```
=>
Uploading C:\Program Files\STNEXP\Queries\580425.str
```



```
chain nodes :
10 11 12 13
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :
6-13 7-12 8-11 9-10
ring bonds :
1-2 1-3 1-4 1-5 2-6 3-7 4-8 5-9 6-7 8-9
exact/norm bonds :
1-2 1-3 1-4 1-5 2-6 3-7 4-8 5-9 6-7 6-13 7-12 8-9 8-11 9-10
```

Match level :  
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS  
11:CLASS 12:CLASS 13:CLASS

L1 STRUCTURE UPLOADED

=> d his

(FILE 'HOME' ENTERED AT 11:50:13 ON 27 OCT 2008)

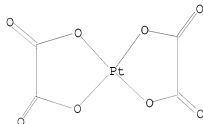
FILE 'REGISTRY' ENTERED AT 11:50:23 ON 27 OCT 2008

L1 STRUCTURE UPLOADED

=> d l1

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 11:50:42 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 7 TO ITERATE

100.0% PROCESSED 7 ITERATIONS

7 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 7 TO 298

PROJECTED ANSWERS: 7 TO 298

L2 7 SEA SSS SAM L1

=> fil caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.46

0.67

FILE 'CAPLUS' ENTERED AT 11:50:48 ON 27 OCT 2008

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is

held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 27 Oct 2008 VOL 149 ISS 18  
FILE LAST UPDATED: 26 Oct 2008 (20081026/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the second quarter of 2008.

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/legal/infopolicy.html>

=> s 12/prep

7 L2  
4658370 PREP/RL  
L3 1 L2/PREP  
(L2 (L) PREP/RL)

=> d bib abs

L3 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1998:89632 CAPLUS

DN 128:162185

OREF 128:31773a,31776a

TI Crystal structure, 195Pt NMR chemical shifts, vibrational spectra, and normal coordinate analyses of trans-dihalobis(oxalato)platينات(IV), trans-[PtX<sub>2</sub>(ox)<sub>2</sub>]<sub>2</sub>, X = Cl, Br, I

AU Preetz, W.; Uttecht, J. G.

CS Institut Anorganische Chemie, Christian-Albrechts-Universitaet, Kiel, D-24098, Germany

SO Zeitschrift fuer Naturforschung, B: Chemical Sciences (1998), 53(1), 93-100

CODEN: ZNBSEN; ISSN: 0932-0776

PB Verlag der Zeitschrift fuer Naturforschung

DT Journal

LA German

AB By reaction of (n-Bu<sub>4</sub>N)<sub>2</sub>[Pt(ox)<sub>2</sub>] with elemental halogens in dichloromethane trans-[PtX<sub>2</sub>(ox)<sub>2</sub>]<sub>2</sub> (X = Cl, Br, I) are formed. The crystal structures of trans-(py<sub>2</sub>CH<sub>2</sub>)[PtCl<sub>2</sub>(ox)<sub>2</sub>]<sub>2</sub>.C<sub>4</sub>H<sub>6</sub>O<sub>3</sub> (monoclinic, space group P2<sub>1</sub>/n, a = 12.119(3), b = 14.926(2), c = 12.666(4) Å, β = 91.26(3)°, Z = 4), trans-(py<sub>2</sub>CH<sub>2</sub>)[PtBr<sub>2</sub>(ox)<sub>2</sub>] (monoclinic, space group P2<sub>1</sub>/n, a = 7.402(8), b = 16.997(3), c = 14.898(3) Å, β = 98.15(3)°, Z = 4) and trans-(py<sub>2</sub>CH<sub>2</sub>)[PtI<sub>2</sub>(ox)<sub>2</sub>]<sub>2</sub>.C<sub>3</sub>H<sub>7</sub>NO (orthorhombic, space group Pnma, a = 10.380(9), b = 13.973(2), c = 17.440(4) Å, Z = 4) were determined by single crystal x-ray diffraction anal. Highly resolution IR and Raman spectra were measured at low temperature

(10

K). Using the mol. parameters of the x-ray detns. normal coordinate analyses based on a modified valence force field were performed and the normal modes of vibration are assigned. The valence force consts. are fd(PtCl) = 2.19, fd(PtBr) = 1.68, fd(PtI) = 1.28 mdyn/Å and fd(PtO) ranges from 2.71 to 2.82 mdyn/Å. The observed 195Pt NMR shifts are δ(195Pt) = 6472.4 (X = Cl), 6027.1 (Br), and 5142.7 ppm (I).

=> s 12

L4 7 L2

=> s 14 not 13

L5 6 L4 NOT L3

=> d 1-6 bib abs

L5 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

AN 2004:128421 CAPLUS

DN 140:349573

TI Solution equilibria leading to the formation of metal-metal bonds in partially oxidized bisoxalatoplatinate(II) systems

AU Keller, Barbara J.; Hurst, Stephanie K.; Dunham, Steven O.; Spangler, Lee; Abbott, Edwin H.; Peterson, Eric S.

CS Department of Chemistry and Biochemistry, Montana State University, Bozeman, MT, 59717-3400, USA

SO Inorganica Chimica Acta (2004), 357(3), 853-858

CODEN: ICHAA3; ISSN: 0020-1693

PB Elsevier Science B.V.

DT Journal

LA English

AB The reaction between [PtII(Ox)2]2- and an appropriate oxidant gave the dimeric unbridged Pt complex [{PtIII(Ox)2}2]2- where (Ox) is oxalate. This complex was moderately stable under ambient conditions and was studied via a variety of NMR and spectrophotometric techniques. Reaction of the [{PtIII(Ox)2}2]2- complex with [PtII(Ox)2]2- in the presence of H+ give longer Pt oligomers with nonintegral oxidation states, culminating in the formation of partially oxidized Pt polymers [{Pt(Ox)2}n]n-. The concentration of H+ was an important factor leading to higher oligomers and the approx. number of protons associated with each oligomer was determined. The analogous

[{PtIII(Mal)2}2]2- complex, where (Mal) is the malonate anion, was also synthesized and studied, but is significantly less stable.

RE.CNT 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN

AN 1988:66644 CAPLUS

DN 108:66644

OREF 108:10904h,10905a

TI Electrical conductivity and thermopower studies on iron bis(oxalato)platinate hydrate (Fex[Pt(C2O4)2]·6H2O) (where x .simeq. 0.8)

AU Kaye, B.; Underhill, A. E.; Mortensen, K.; Carneiro, K.; Shen, Yueqiang; Jacobsen, C. S.; Bertinotti, A.

CS Inst. Mol. Biomol. Electron., Univ. Coll. North Wales, Bangor/Gwynedd, LL57 2UW, UK

SO Synthetic Metals (1987), 22(1), 35-40

CODEN: SYMEDZ; ISSN: 0379-6779

DT Journal

LA English

AB The elec. conductivity (d.c. and 35 GHz) and thermopower of

Fex[Pt(C2O4)2]·6H2O,

Fe-OP, are presented and compared with those of other partially oxidized bis(oxalato)platinate salts of divalent cations. At room temperature Fe-OP is metallic with a conductivity of 6 S cm-1 and a thermopower of 15 µV/K. Below room temperature there is a structural transition, which has little effect on transport properties. Below 160 K Fe-OP is a semiconductor with an activation energy of 55 meV.

L5 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1987:525062 CAPLUS  
DN 107:125062  
OREF 107:20075a,20078a  
TI Solid-state properties of one-dimensional metals based on bis(oxalato)platinate anions with divalent cations  
AU Braude, A.; Carneiro, K.; Jacobsen, C. S.; Mortensen, K.; Turner, D. J.; Underhill, A. E.  
CS Lab. Appl. Phys., Tech. Univ. Denmark, Lyngby, DK-2800, Den.  
SO Physical Review B: Condensed Matter and Materials Physics (1987), 35(15), 7835-46  
CODEN: PRBMDO; ISSN: 0163-1829  
DT Journal  
LA English  
AB The crystal structures, superstructures, d.c. conductivity, optical properties, and thermopower of 6 linear-chain conductors of the type  $M0.8[Pt(C2O4)2] \cdot 6H_2O$ , where M is a divalent metal (M = Ni, Co, Zn, Fe, Mg, Mn), were studied. At high temps. they form a common orthorhombic metallic phase (I) with conductivities of 30-200 ( $\Omega$  cm)<sup>-1</sup> and thermopowers of 5-10  $\mu$ V/K, with the lattice weakly modulated by the one-dimensional Peierls distortion. Below T<sub>l</sub>, three compds. (Ni,Co,Zn) form a semiconducting phase (A-II) due to the ordering of the  $[M(H_2O)_6]^{2+}$  cations. As the cation superlattice is commensurate with the 3-dimensional Peierls distortion, these salts transform at a lower temperature T<sub>2</sub> into a charge-d.-wave phase (A-III). In the other 3 compds. (Fe,Mg,Mn), the cations order in a superlattice (phase B-II) which is incommensurate with both the average Pt-ion lattice and the 3-dimensional Peierls distortion, and therefore no charge-d.-wave state is formed. The influence of competing interactions is briefly discussed.

L5 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1985:442834 CAPLUS  
DN 103:42834  
OREF 103:6871a,6874a  
TI Charge density waves or Wigner para-crystal in 1-dimensional-bis(oxalato)platinate salts?  
AU Bertinotti, A.; Luzet, D.  
CS Serv. Phys. Solide, CEN-SACLAY, Gif-sur-Yvette, 91191, Fr.  
SO Molecular Crystals and Liquid Crystals (1985), 120(1-4), 421-6  
CODEN: MCLCA5; ISSN: 0026-8941  
DT Journal  
LA English  
AB Further structural evidence is presented, with particular reference to 1-dimensional  $Mx[Pt(C2O4)2] \cdot 6H_2O$  (M = Mg, Fe and Cu and  $x \approx 0.82$ ), for the existence in these systems of a superstructure of electrons (or holes) which is locally commensurate with the underlying lattice but statistically incommensurate along the chains.

L5 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1978:412879 CAPLUS  
DN 89:12879  
OREF 89:1977a,1980a  
TI Proof of the existence of aqua complexes in acidified solutions of hydroxo complexes of platinum(IV) by a statistical method  
AU Budanova, N. S.; Zheligovskaya, N. N.; Chernova, N. A.; Spitsyn, V. I.  
CS Mosk. Gos. Univ., Moscow, USSR  
SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1978), (3), 670-3  
CODEN: IASKA6; ISSN: 0002-3353  
DT Journal  
LA Russian  
AB Statistical treatment of titration curves for Pt(IV) dihydroxy complexes  $M2[PtX_4(OH)_2]$  (M = K, NH<sub>4</sub>; X = Cl, Br, I, NO<sub>2</sub>, NO<sub>3</sub>, 1/2C<sub>2</sub>O<sub>4</sub>) at 0.50

showed conversion to mono- and diaqua complexes. Acid dissociation consts. were calculated

L5 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2008 ACS on STN  
AN 1975:8219 CAPLUS  
DN 82:8219  
OREF 82:1321a,1324a  
TI Study of the processes occurring in solutions of acidohydroxyl  
platinat(IV) complexes in an acidic medium using the methods of  
mathematical statistics  
AU Budanova, N. S.; Zheligovskaya, N. N.; Spitsyn, V. I.  
CS Mosk. Gos. Univ. im. Lomonosova, Moscow, USSR  
SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1974), (9), 1927-30  
CODEN: IASKA6; ISSN: 0002-3353  
DT Journal  
LA Russian  
AB Elec. conductivity, pH, and uv spectral studies indicate that none of the aqua  
complexes formed in solns. of  $K_2PtCl_4(OH)_2$ ,  $K_2Pt(NO_2)_3(NO_3)(OH)$ ,  
 $K_2Pt(C_2O_4)_2(OH)_2$ , or  $K_2Pt(NO_2)_4(OH)_2$  contain Pt(II). Acid dissociation  
consts. of the aqua complexes were determined potentiometrically. Dispersion  
anal. of the acid dissociation consts. shows that anions of the acids used in  
titration do not displace aqua ligands from the inner coordination sphere and  
that no polynuclear Pt(IV) complexes are formed.

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	24.41	25.08
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-5.60	-5.60

STN INTERNATIONAL LOGOFF AT 11:52:56 ON 27 OCT 2008